

Work Order ID 145371

Monday, August 15, 2016 7:15:19 AM

145371

Page 1

Item ID: D139-799-211

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Quick Release Maintenance Step, LH

Start Date: 4/25/2016 Start Qty: 2.00

2

Cust Item ID:

Required Date: 5/5/2016 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: **DAS 21** Date **AUG 15 2016**

Tooling:

Date:

Run Start ***NR1***QC: **9-89**

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

IIN-D139-799

K

PC**AUG 17 2016****DAS 21 9-89****16-08-17 (2)**

100

Document Control

0.00

100

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D139-799-211
CHG001**DAS 27 9-89****AUG 24 2016**

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

(2)**PC****DAS 28 9-89****AUG 15 2016**

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS 27 9-89**AUG 24 2016**

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																
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Work Order ID 145371

Monday, August 15, 2016 7:15:19 AM

145371

Page 2

Item ID: D139-799-211

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Quick Release Maintenance Step, LH

Start Date: 4/25/2016 Start Qty: 2.00

2

Cust Item ID:

Required Date: 5/5/2016 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00

130

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D139-799-211

Location:

F6019

2
DAS
27
9-89

AUG 24 2016

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

DAS
21
9-89

AUG 24 2016

Lm 16/08/24

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:			QTY Effective :				MRB (QSI042) Approval		
Description Work Order Deviation					Disposition					Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐					FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐						
					OTHER : ☐						

Picklist Print

Monday, August 15, 2016 7:15:24 AM

Page 1

Work Order ID: 145371

145371

Parent Item: D139-799-211

D139-799-211

Parent Item Name: Quick Release Maintenance Step, LH

Start Date: 4/25/2016

Required Date: 5/5/2016

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A NEW ISSUE 15-07-08 JLM VERIFIED BY:DD IPP
REV:B as per NCR16-5959 DD VERIFIED BY:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D5238-041		Manufactured	No				Each	0.0000	1	2			
D5238-041									**	145847			PC DAS 28 9-89
Maintenance Step Assembly													
D5238-043		Manufactured	No				Each	2.0000	1	2			
D5238-043									**				PC DAS 28 9-89
Lower Bracket, Aft													
					<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>					
					ST450		2						
					146133		2						
D5238-045		Manufactured	No				Each	2.0000	1	2			
D5238-045									**				PC DAS 28 9-89
Lower Bracket, Fwd													
					<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>					
					ST451		2						
					145643		2						
D5245-1		Manufactured	No				Each	13.0000	1	2			
D5245-1									**				PC DAS 28 9-89
Mounting Bolt													
					<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>					
					ST160		13						
					147223		13						
										2			AUG 15 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Misidentified ☐	Past Due ☐																																																																								
Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																																																																						
Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																																																																						
Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																																																																						
Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																																																																						
Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																																																																						
Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																																																																						
Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐																																																																						
Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																																																																						
Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																																																																						
Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																																																																						
OTHER :																																																																									

Picklist Print

Monday, August 15, 2016 7:15:25 AM

Page 2

Work Order ID: 145371

Parent Item: D139-799-211

Parent Item Name: Quick Release Maintenance Step, LH

145371

D139-799-211

Start Date: 4/25/2016

Required Date: 5/5/2016

Start Qty: 2.00

Required Qty: 2.00

AN6H12A Purchased No

Each 28.0000

AN6H12A

Bolt

**

DAS
27
9-89

Location

Loc Qty

Loc Code

Sr335

3

m132930

3

ST335

25

m134335

25

Each

47.0000

**

AN6H13A Purchased No

AN6H13A

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

ST335

47

m132930

2

m134257

15

m134370

30

Each

543.0000

**

NAS1149D0663J Purchased No

NAS1149D0663.I

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

ST260

227

M131618

227

ST263

311

M135135

311

ST269

5

M126334

5

DAS
27
9-89

AUG 17 2016

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Shop Packet Print

Page 2

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : _____							

Work Order ID 145371

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145371

Page 1

Item ID: D139-799-211
Revision ID:
Item Name: Quick Release Maintenance Step, LH

Accept

N9000040100

Setup Start *NS1*
Stop *NS2*

Start Date: 4/25/2016 Start Qty: 2.00

Required Date: 5/5/2016 Req'd Qty: 2.00

2

Cust Item ID:

Reference:

Customer:

2

Approvals: Process Plan:
QC:

Date AUG 15 2016

Tooling:

Date:

Run Start *NR1*

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description
Draw Nbr	Revision Nbr
IIN-D139-799	K
100	Document Control

Set Up/
Run Hours

Tool ID Tool # Plan
Code Accept Reject
Qty Qty
DAS
21
9-89

0.00

AUG 17 2016

21
9-89

AUG 17 2016

100

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D139-799-211
CHG001

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

2

PC

AUG 15 2016

5.0 PARTS LIST

Qty -011	Qty -012	Qty -015	Qty -017	Qty -019	Qty -112	Qty -211	Qty -212	Qty -213	Part Number	Description
X									D139-799-011	MAINTENANCE STEP KIT, LH
	X								D139-799-012	MAINTENANCE STEP KIT, RH
		X							D139-799-015	ENGINE WASH KIT
			X						D139-799-017	CARGO FLOOR PROTECTOR KIT
				X					D139-799-019	CABIN FLOOR PROTECTOR KIT
					X				D139-799-112	MAINTENANCE STEP WITH GRAB BAR KIT, RH
						X			D139-799-211	QUICK RELEASE MAINTENANCE STEP KIT, LH
							X		D139-799-212	QUICK RELEASE MAINTENANCE STEP KIT, RH
								X	D139-799-213	QUICK RELEASE MAINTENANCE STEP PROVISIONS KIT
			2						D3580-1	JOGGLE BRACKET
			2	8					D3628-1	CUPPED WASHER
1									D4092-041	MAINTENANCE STEP ASSEMBLY
	1								D4092-042	MAINTENANCE STEP ASSEMBLY
		2							D4121-1	HOSE ASSEMBLY
		1							D4121-3	HOSE ASSEMBLY
		1							D4121-5	HOSE ASSEMBLY
				1					D4130-1	FWD CABIN FLOOR PROTECTOR
				1					D4130-3	AFT CABIN FLOOR PROTECTOR
			1						D4130-5	FWD CARGO FLOOR PROTECTOR
			1						D4130-7	CENTER CARGO FLOOR PROTECTOR
			1						D4130-9	AFT CARGO FLOOR PROTECTOR
		1							D4131-041	MANIFOLD ASSEMBLY
		1							D4131-043	DOUBLER ASSEMBLY
		2							D4146-1	FITTING
			1						D4153-1	JOGGLE BRACKET
			1						D4153-3	JOGGLE BRACKET
				4					D4153-5	CLAMP PLATE
			2						D4166-1	PLACARD, MAX LOAD
		2							D4182-1	FITTING, QUICK DISCONNECT
		1							D4384-1	PLACARD
					1				D4526-042	MAINTENANCE STEP ASSEMBLY, RH
						1			D5238-041	MAINTENANCE STEP ASSEMBLY
							1		D5238-042	MAINTENANCE STEP ASSEMBLY
						1	1	1	D5238-043	LOWER BRACKET, AFT
						1	1	1	D5238-045	LOWER BRACKET, FWD
						1	1	1	D5245-1	MOUNTING BOLT
2	2				2	2	2	2	AN6H12A	BOLT
2	2				2	1	1	1	AN6H13A	BOLT
		4							AN526-1032R16	SCREW
		2							AN832-6J	UNION
		4							AN924-6J	NUT
		20							MS21919WDG09	CLAMP
6	6				6	5	5	5	NAS1149D0663J1	WASHER (or AN960JD616)
		4							NAS1149C0932R	WASHER (or AN960C916L)